

102280-2000000

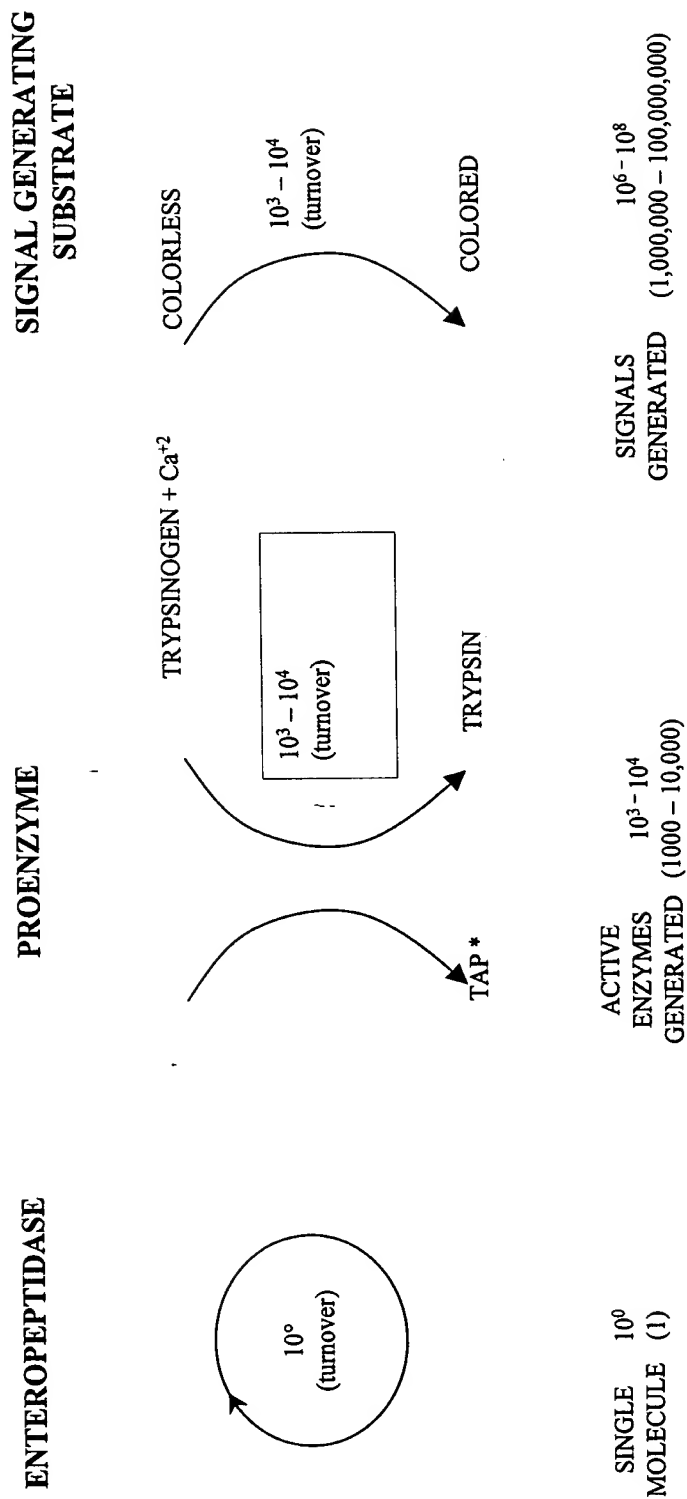


FIG. 1

102280 2055555

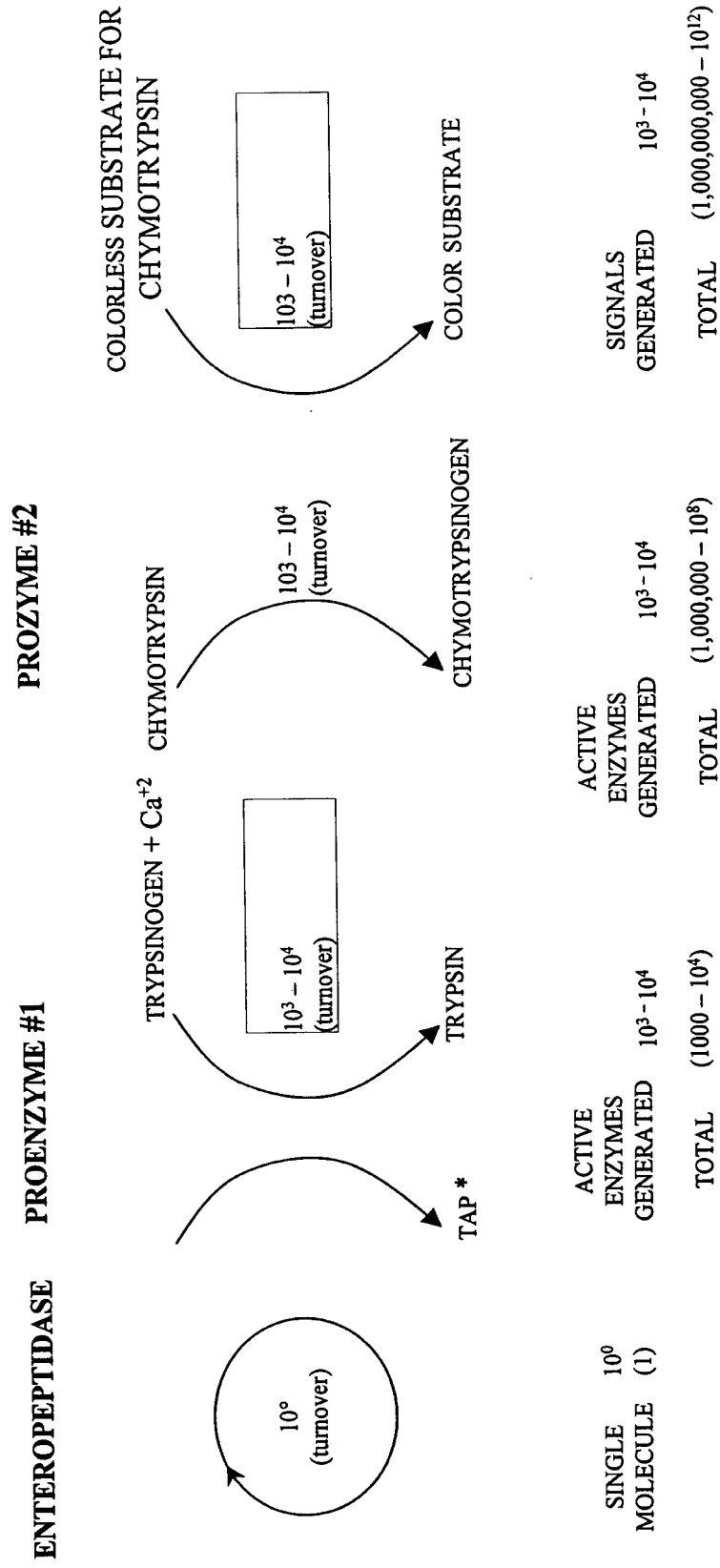


FIG. 2

102280 1000000

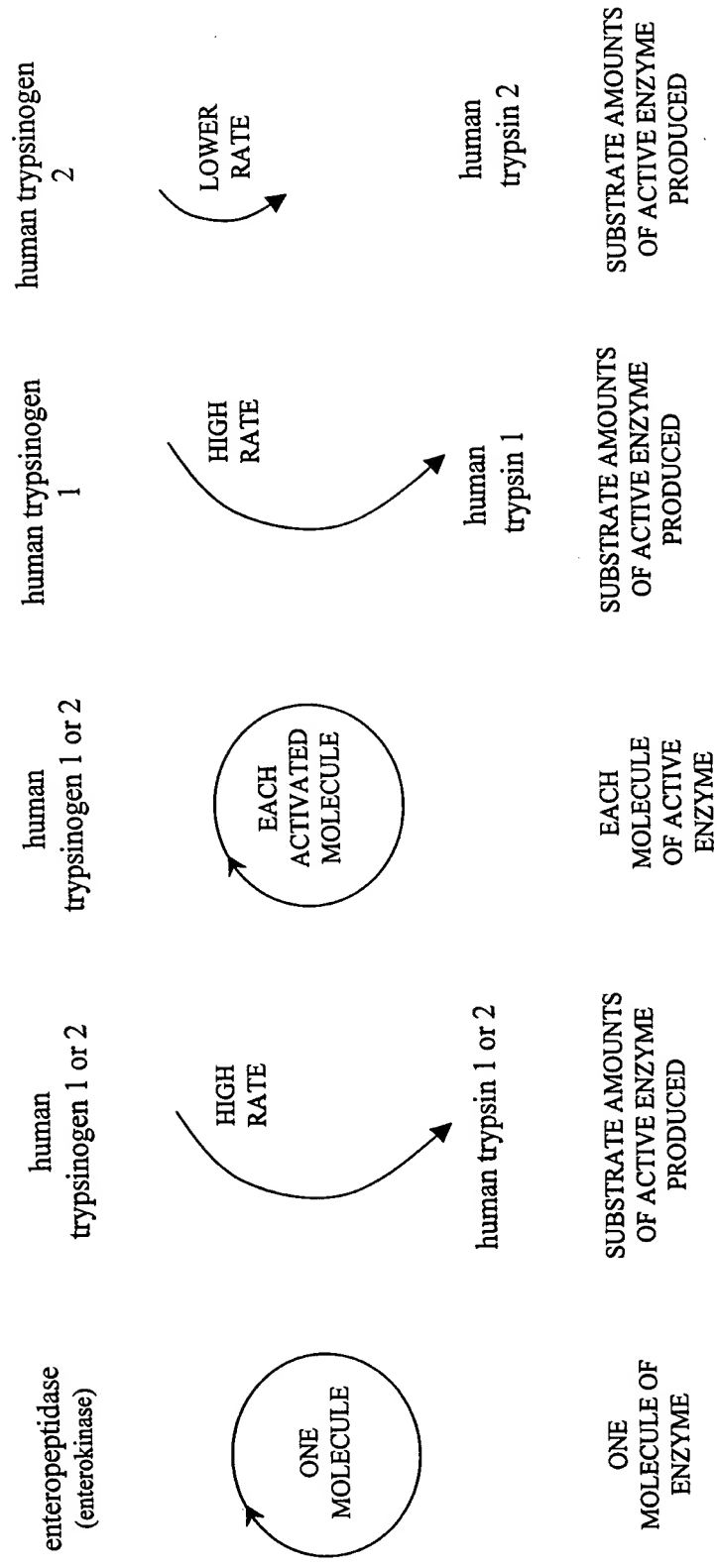
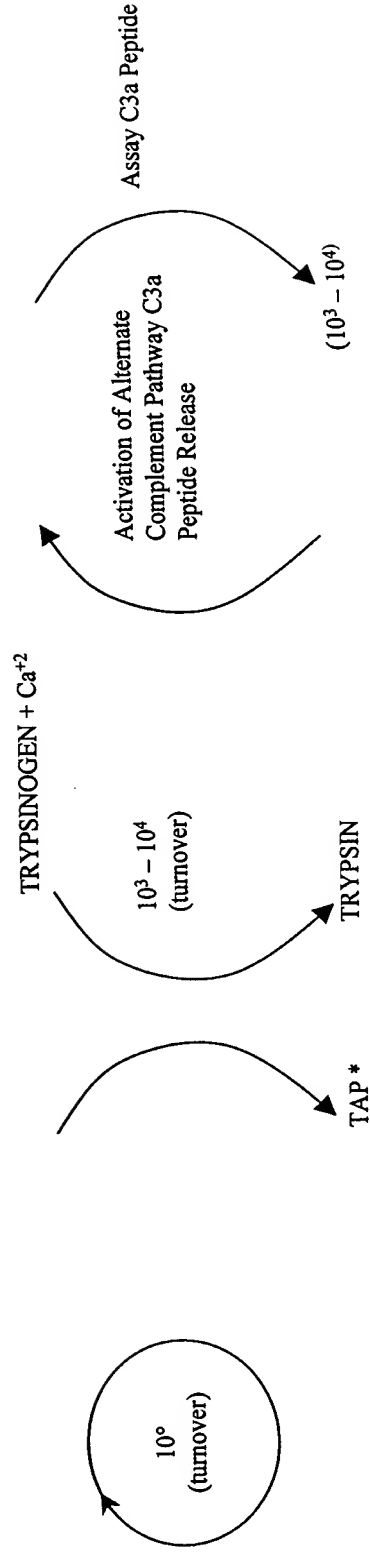


FIG. 3

102280-00000000

ENTEROPEPTIDASE

PROENZYME



SINGLE MOLECULE (1)

10⁰

ACTIVE ENZYMES GENERATED

TOTAL

10³ - 10⁴

(1000 - 10⁴)

FORMATION OF C3a PEPTIDE

10⁶ - 10⁸

TOTAL

(1,000,000 - 100,000,000)

FIG. 4

	SIGNAL ACTIVATION MOLECULE AND FUNCTION	Index of Target Analyte Presence
CMSA Complement Cascade	<ul style="list-style-type: none"> •Antibody to antigen in the Classic Complement pathway •Polysaccharide, etc. in the Alternate Complement Pathway •Both activate Complement 	C3a Peptide Production/Quantification
ZMSA CC Clotting Cascade	•Kallikrein Plasma Proteinase activating Hageman Factor (Factor XII) enhanced with Kinogen activate clotting	Opacity Clot Retraction
ZMSA-PCC Procollagen Conversion	•Serum Protease activating neutral Protease (zymogen) catalyzing Procollagen-> Collagen Conversion	Opacity
ZMSA-PIC Proinsulin Conversion	•Serine Protease activating Endopeptidase PC2 or PC3 (zymogen) activating Insulin with release of C Peptide	C Peptide Production/Quantification
ZMSA PTC Prothrombin Conversion	•Serine Protease activating Prothrombin (zymogen) to Thrombin converts Fibrinogen to Fibrin	Opacity

FIG. 5

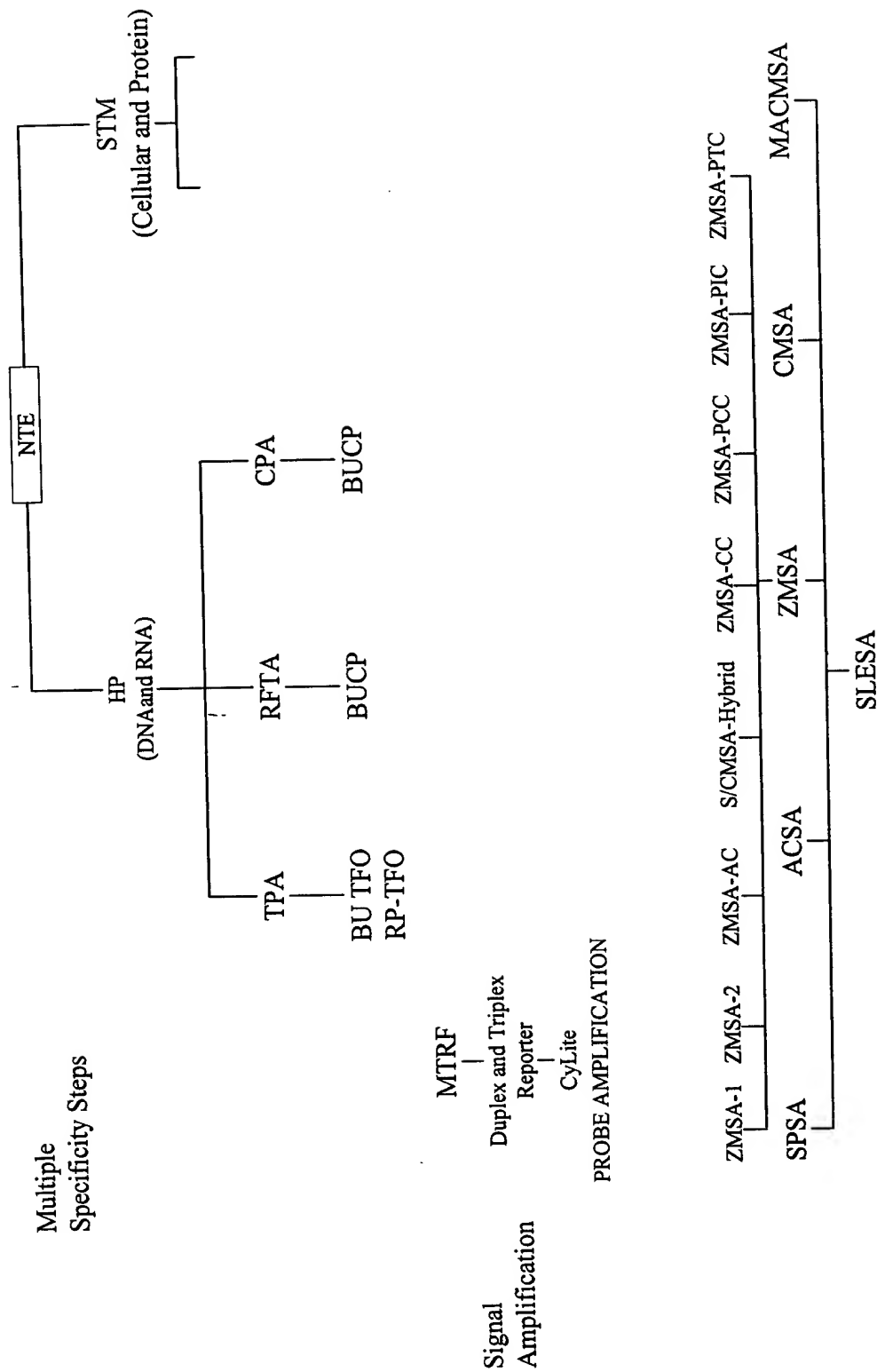


FIG. 6

102280-20EE6660

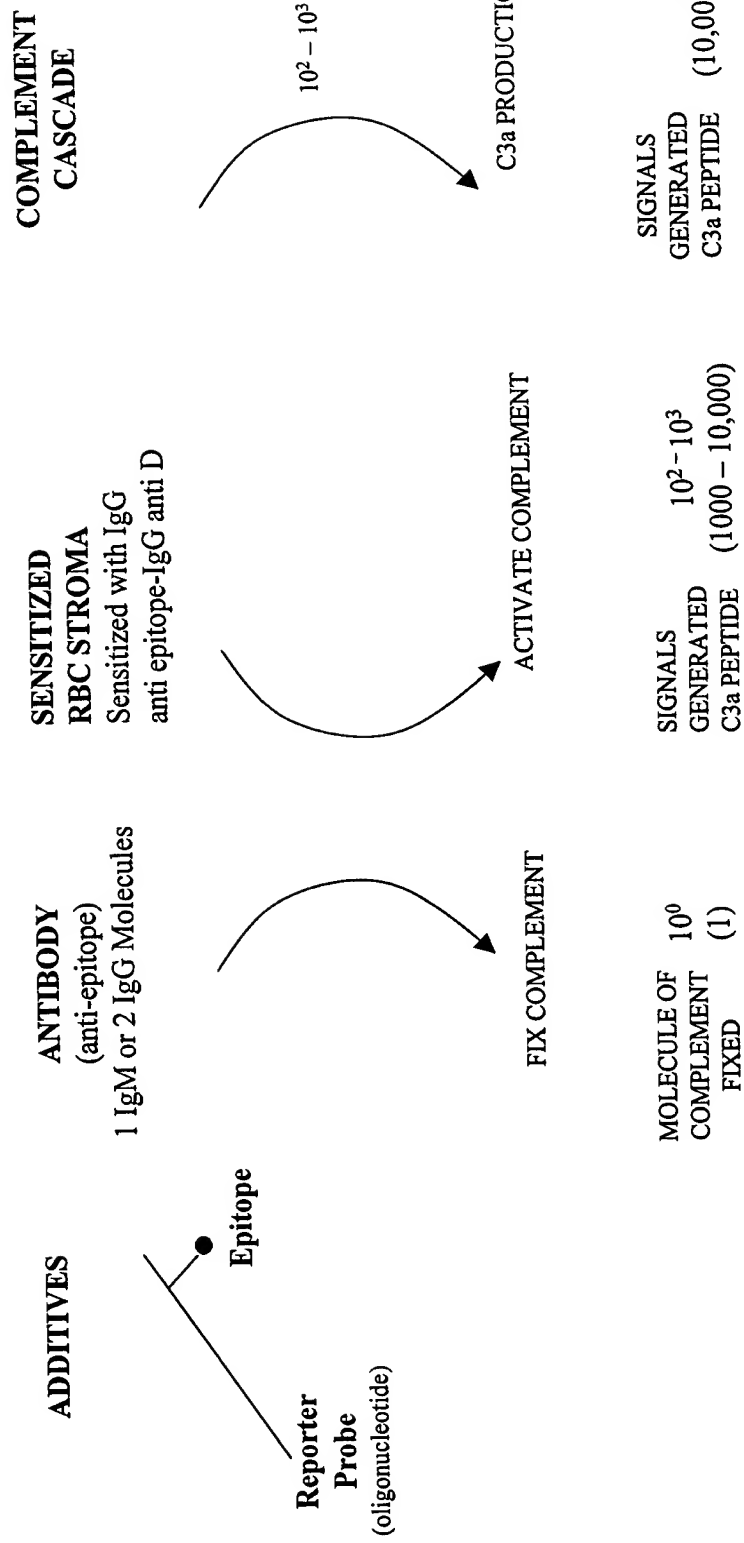


FIG. 7

102280 20EE0660

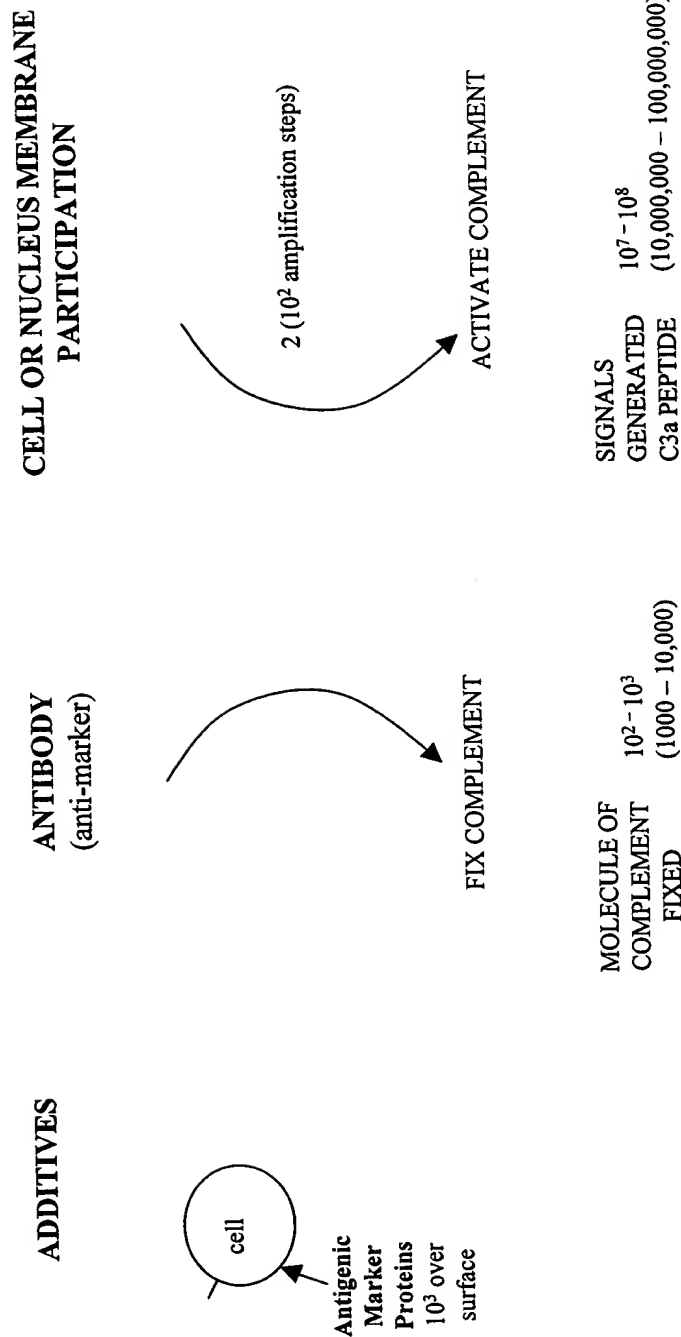


FIG. 8

